;

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended) An imino-azolinone-vinyl fused-benzene derivative or its salt according to Formula (I),

$$\begin{array}{c|c}
R^2 & R^1 \\
\hline
A & N-G \\
\hline
NH & (I)
\end{array}$$

wherein A is an 5-8 membered heterocyclic group or an carbocyclic group which may be fused with an aryl, an heteroaryl, an cycloalkyl or an heterocycloalkyl;

X is S, O or $-NR^3$;

Y is S or O;

R¹ is selected from the group eomprising or consisting of H, CN, carboxy, acyl, C₁-C₆-alkoxy, halogen, hydroxy, acyloxy, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl acyloxy, C₁-C₆-alkyl alkoxy, alkoxycarbonyl, C₁-C₆-alkyl alkoxycarbonyl, aminocarbonyl, C₁-C₆-alkyl aminocarbonyl, acylamino, C₁-C₆-alkyl acylamino, ureido, C₁-C₆-alkyl ureido, amino, C₁-C₆-alkyl amino, ammonium, sulfonyloxy, C₁-C₆-alkyl sulfonyloxy, sulfonyl, C₁-C₆-alkyl sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonylamino, C₁-C₆-alkyl sulfonylamino [[or]] and carbamate;

R² is selected from the group eomprising or consisting of H, halogen, acyl, amino, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl acyl, C₁-C₆-alkyl alkoxycarbonyl, C₁-C₆-alkyl aminocarbonyl, C₁-C₆-alkyl acyloxy, C₁-C₆-alkyl acyloxy, C₁-C₆-alkyl arginino, C₁-C₆-alkyl ureido, C₁-C₆-alkyl carbamate, C₁-C₆-alkyl amino, C₁-C₆-alkyl alkoxy, C₁-C₆-alkyl sulfanyl, C₁-C₆-alkyl sulfanyl, C₁-C₆-alkyl sulfanyl, argl, heteroaryl, C₃-C₈-cycloalkyl or heterocycloalkyl, C₁-C₆-alkyl argl, C₁-C₆-alkyl argl, C₁-C₆-alkyl

heteroaryl, C_2 - C_6 -alkenyl-aryl or -heteroaryl, C_2 - C_6 -alkynyl aryl or -heteroaryl, carboxy, cyano, hydroxy, C_1 - C_6 -alkoxy, nitro, acylamino, ureido, sulfonylamino, sulfanyl, [[or]] and sulfonyl;

G is a C_1 - C_6 -alkoxy, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_1 - C_6 -alkyl aryl, cyano or a sulfonyl moiety;

 R^3 is selected from the group comprising or consisting of H [[or]] and C_1 - C_6 -alkyl; with the proviso that the following 8 compounds are excluded:

Claim 2 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to claim 1, wherein A is selected from the group consisting of 2H-(benzo-1, 3-dioxolanyl), 2H, 3H-benzo-1,4-dioxanyl, 2,3-dihydrobenzofuranyl, anthraquinonyl, 2,2-difluorobenzo-1,3-dioxolenyl, 1,3-dihydrobenzofuranyl, benzofuranyl, 4-methyl-2H-benzo-1,4-oxazin-3-onyl, pyridinyl, pyrazinyl, and 4-methyl-2H, 3H-benzo-1,4-oxazinyl.

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Claim 3 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to claim 2, wherein A is a dioxolenyl or a pyridinyl moiety.

Claim 4 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to any of the preceding claims claim 1, wherein R¹, and/or R², or R¹ and R² are H.

Claim 5 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to any of the preceding claims claim 1, wherein G is a C_1 - C_6 -alkoxy, cyano or a sulfonyl moiety.

Claim 6 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to any of the preceding claims claim 1, wherein G is a C_1 - C_6 -alkyl, C_2 - C_6 -alkyl, C_2 - C_6 -alkyl, C_2 - C_6 -alkyl aryl moiety.

Claim 7 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to elaims 1 to 5 claim 1, wherein G is a sulfonyl moiety of the formula – SO_2 -R⁴, whereby wherein R⁴ is selected from the group emprising or consisting of [[of]] H, C_1 -C₆-alkyl, C_2 -C₆-alkenyl, C_2 -C₆-alkynyl, C_1 -C₆-alkyl carboxy, C_1 -C₆-alkyl acylamino, C_1 -C₆-alkyl aminocarbonyl, C_1 -C₆-alkyl acyloxy, C_1 -C₆-alkyl acylamino, C_1 -C₆-alkyl ureido, C_1 -C₆-alkyl carbamate, C_1 -C₆-alkyl amino, C_1 -C₆-alkyl alkoxy, C_1 -C₆-alkyl sulfanyl, C_1 -C₆-alkyl sulfinyl, C_1 -C₆-alkyl sulfonyl, C_1 -C₆-alkyl sulfonylaminoaryl, aryl, heteroaryl, C_3 -C₈-cycloalkyl or heterocycloalkyl, C_1 -C₆-alkynyl-aryl, [[or]] C_2 -C₆-alkenyl-heteroaryl, C_2 -C₆-alkynyl-aryl, [[or]] C_2 -C₆-alkenyl-heteroaryl, acylamino, and sulfonylamino.

Claim 8 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to claim 7, wherein R^4 is aryl, heteroaryl or C_1 - C_3 alkyl.

Claim 9 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to any of the preceding claims claim 1, wherein X is S, Y is O, R^1 and R^2 are H, and A is a dioxolenyl or pyridinyl moiety.

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Claim 10 (Currently Amended): The imino-azolinone-vinyl fused-benzene derivative or its salt according to claim 1 any of the preceeding claims, selected from the group consisting of:

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-2-chloro-benzene sulfonamide;

Ethanesulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-3-chloro-benzene sulfonamide;

5-Chloro-1,3-dimethyl-1H-pyrazole-4-sulfonic acid (5-benzo[1,3]dioxol-5-yl methylene -4-oxo-thiazolidin-2-ylidene)-amide;

3-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidenesulfamoyl)-thiophene-2-carboxylic acid methyl ester;

6-Chloro-pyridine-3-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

Quinoline-8-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-methane sulfonamide;

N-[5-(2,2-Difluoro-benzo[1,3]dioxol-5-ylmethylene)-4-oxo-thiazolidin-2-ylidene]-benzenesulfonamide;

N-[5-(2,2-Difluoro-benzo[1,3]dioxol-5-ylmethylene)-4-oxo-thiazolidin-2-ylidene]-4-methyl-benzenesulfonamide;

N-[5-(2,2-Difluoro-benzo[1,3]dioxol-5-ylmethylene)-4-oxo-thiazolidin-2-ylidene]-methanesulfonamide;

Biphenyl-2-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

Pyridine-3-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

- 3-(4-Oxo-5-quinolin-6-ylmethylene-thiazolidin-2-ylidenesulfamoyl)-thiophene-2-carboxylic acid methyl ester;
- 2-Chloro-N-(4-oxo-5-quinolin-6-ylmethylene-thiazolidin-2-ylidene)-benzene sulfonamide;
- 3-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidenesulfamoyl)-thiophene-2-carboxylic acid;
 - 5-Benzo[1,3]dioxol-5-ylmethylene-thiazolidine-2,4-dione-2-(O-methyl-oxime);
 - 4-oxo-5-quinoxalin-6-ylmethylene-thiazolidin-2-ylidene-cyanamide;
 - 5-Benzo[1,3]dioxol-5-ylmethylene-2-benzylimino-thiazolidin-4-one;
 - 2-Benzylimino-5-quinolin-6-ylmethylene-thiazolidin-4-one;
 - 2-Propylimino-5-quinolin-6-ylmethylene-thiazolidin-4-one;
 - 5-Benzo[1,3]dioxol-5-ylmethylene-2-propylimino-thiazolidin-4-one; and
 - 5-(4-Dimethylamino-quinazolin-6-ylmethylene)-2-methylamino-thiazol-4-one.

Claim 11 (Currently Amended): A composition comprising a carrier, adjuvant, diluent, excipient, or a combination thereof and [[An]] an imino-azolinone-vinyl fused-benzene derivative or its salt according to Formula (I)

$$\begin{array}{c|c}
R^2 & R^1 \\
\hline
A & X & N-G \\
\hline
NH & (I)
\end{array}$$

wherein A is an 5-8 membered heterocyclic group or an carbocyclic group which may be fused with an aryl, an heteroaryl, an cycloalkyl or an heterocycloalkyl;

X is S, O or $-NR^3$;

Y is S or O;

R¹ is selected from the group comprising or consisting of H, CN, carboxy, acyl, C₁-C₆-alkoxy, halogen, hydroxy, acyloxy, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl acyloxy, C₁-C₆-alkyl alkoxycarbonyl, aminocarbonyl, C₁-C₆-alkyl alkoxycarbonyl, aminocarbonyl, C₁-C₆-alkyl aminocarbonyl, acylamino, C₁-C₆-alkyl acylamino, ureido, C₁-C₆-alkyl ureido, amino, C₁-C₆-alkyl amino, ammonium, sulfonyloxy, C₁-C₆-alkyl sulfonyloxy, sulfonyl, C₁-C₆-alkyl sulfonyl, sulfinyl, C₁-C₆-alkyl sulfinyl, sulfanyl, C₁-C₆-alkyl sulfonylamino, C₁-C₆-alkyl sulfonylamino [[or]] and carbamate;

 R^2 is selected from the group eomprising or consisting of H, halogen, acyl, amino, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_1 - C_6 -alkyl carboxy, C_1 - C_6 -alkyl acyl, C_1 - C_6 -alkyl alkoxycarbonyl, C_1 - C_6 -alkyl aminocarbonyl, C_1 - C_6 -alkyl acyloxy, C_1 - C_6 -alkyl alkoxy, C_1 - C_6 -alkyl sulfanyl, C_1 - C_6 -alkyl sulfonyl, C_1 - C_6 -alkyl sulfonylaminoaryl, aryl, heteroaryl, C_3 - C_8 -cycloalkyl, [[or]] C_3 - C_8 -heterocycloalkyl, C_1 - C_6 -alkyl aryl, C_1 - C_6 -alkyl heteroaryl, C_2 - C_6 -alkenyl-aryl, [[or]] C_2 - C_6 -alkenyl-heteroaryl, C_2 - C_6 -alkynyl aryl, [[or]] C_2 - C_6 -alkynyl -heteroaryl, carboxy, cyano, hydroxy, C_1 - C_6 -alkoxy, nitro, acylamino, ureido, sulfonylamino, sulfanyl, [[or]] and sulfonyl;

G is a C_1 - C_6 -alkoxy, C_1 - C_6 -alky, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_1 - C_6 -alkyl aryl, cyano or a sulfonyl moiety;

R³ is selected from the group comprising or consisting of H [[or]] <u>and</u> C₁-C₆-alkyl;-for use as a medicament; with the proviso that the following 4 compounds are excluded:

Claim 12 (Currently Amended): <u>A method of treating or preventing at least one</u> disease in a patient in need thereof, comprising administering Use of an imino-azolinone-vinyl fused-benzene derivative <u>or its salt</u> according to Formula (I)

$$R^2$$
 R^1
 $N-G$
 $N+G$
 $N+G$

wherein A is an 5-8 membered heterocyclic group or an carbocyclic group which may be fused with an aryl, an heteroaryl, an cycloalkyl or an heterocycloalkyl;

X is S, O or $-NR^3$;

Y is S or O;

R¹ is selected from the group comprising or consisting of H, CN, carboxy, acyl, C₁-C₆-alkoxy, halogen, hydroxy, acyloxy, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl acyloxy, C₁-

 C_6 -alkyl alkoxy, alkoxycarbonyl, C_1 - C_6 -alkyl alkoxycarbonyl, aminocarbonyl, C_1 - C_6 -alkyl amino, amino, C_1 - C_6 -alkyl acylamino, ureido, C_1 - C_6 -alkyl ureido, amino, C_1 - C_6 -alkyl amino, ammonium, sulfonyloxy, C_1 - C_6 -alkyl sulfonyloxy, sulfonyl, C_1 - C_6 -alkyl sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonyl, sulfonylamino, C_1 - C_6 -alkyl sulfonylamino [[or]] and carbamate;

 R^2 is selected from the group eomprising or consisting of H, halogen, acyl, amino, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkynyl, C_1 - C_6 -alkyl carboxy, C_1 - C_6 -alkyl acyloxy, C_1 - C_6 -alkyl arino, C_1 - C_6 -alkyl arino, C_1 - C_6 -alkyl sulfanyl, C_1 - C_6 -alkyl sulfanyl, C_1 - C_6 -alkyl sulfanyl, C_1 - C_6 -alkyl sulfanyl, aryl, heteroaryl, C_3 - C_8 -cycloalkyl, [[or]] C_3 - C_8 -heterocycloalkyl, C_1 - C_6 -alkyl aryl, C_1 - C_6 -alkyl heteroaryl, C_2 - C_6 -alkenyl-aryl, [[or]] C_2 - C_6 -alkenyl-heteroaryl, C_2 - C_6 -alkynyl aryl, [[or]] C_2 - C_6 -alkynyl-heteroaryl, carboxy, cyano, hydroxy, C_1 - C_6 -alkoxy, nitro, acylamino, ureido, sulfonylamino, sulfanyl, [[or]] and sulfonyl;

G is a C_1 - C_6 -alkyl, C_2 - C_6 -alkyenyl, C_2 - C_6 -alkynyl, heteroaryl, C_1 - C_6 -alkyl aryl, C_1 - C_6 -alkyl heteroaryl, C_2 - C_6 -alkenyl-aryl or -heteroaryl, C_2 - C_6 -alkynyl aryl or -heteroaryl, C_1 - C_6 -alkoxy, cyano, C_1 - C_6 -acyl, or a sulfonyl moiety;

R³ is selected from the group comprising or consisting of H or C₁-C₆-alkyl;

to the patient in need thereof in an amount sufficient to treat or prevent the at least

one disease; wherein the at least one disease is selected from the group consisting of

for the preparation of a medicament for the prophylaxis and/or treatment of autoimmune disorders, and/or inflammatory diseases, cardiovascular diseases, neurodegenerative diseases, kidney diseases, platelet aggregation, cancer, transplantation, graft rejection, [[or]] lung injuries, and a combination thereof.

Claim 13 (Currently Amended): Use according to The method of claim 12, wherein G is a C_1 - C_6 -alkoxy, cyano or a sulfonyl moiety.

Claim 14 (Currently Amended): Use according to any claims 11 to 13 The method of claim 12, wherein the imino-azolinone-vinyl fused-benzene derivative or its salt is selected from the group consisting of:

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-2-chlorobenzene sulfonamide;

Ethanesulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-3-chloro-benzene sulfonamide;

5-Chloro-1,3-dimethyl-1H-pyrazole-4-sulfonic acid (5-benzo[1,3]dioxol-5-yl methylene -4-oxo-thiazolidin-2-ylidene)-amide;

3-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidenesulfamoyl)-thiophene-2-carboxylic acid methyl ester;

6-Chloro-pyridine-3-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxothiazolidin-2-ylidene)-amide;

Quinoline-8-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin -2-ylidene)-amide;

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-benzene sulfonamide;

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-4-methylbenzene sulfonamide;

N-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-methane sulfonamide;

N-[5-(2,2-Difluoro-benzo[1,3]dioxol-5-ylmethylene)-4-oxo-thiazolidin-2-ylidene]-benzenesulfonamide;

N-[5-(2,2-Difluoro-benzo[1,3]dioxol-5-ylmethylene)-4-oxo-thiazolidin-2-ylidene]-4-methyl-benzenesulfonamide;

N-[5-(2,2-Difluoro-benzo[1,3]dioxol-5-ylmethylene)-4-oxo-thiazolidin-2-ylidene]-methanesulfonamide;

Biphenyl-2-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

Pyridine-3-sulfonic acid (5-benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene)-amide;

3-(4-Oxo-5-quinolin-6-ylmethylene-thiazolidin-2-ylidenesulfamoyl)-thiophene-2-carboxylic acid methyl ester;

2-Chloro-N-(4-oxo-5-quinolin-6-ylmethylene-thiazolidin-2-ylidene)-benzene sulfonamide;

3-(5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidenesulfamoyl)-thiophene-2-carboxylic acid;

5-Benzo[1,3]dioxol-5-ylmethylene-4-oxo-thiazolidin-2-ylidene-cyanamide;

5-Benzo[1,3]dioxol-5-ylmethylene-thiazolidine-2,4-dione 2-(O-methyl-oxime);

4-Oxo-5-quinoxalin-6-ylmethylene-thiazolidin-2-ylidene-cyanamide;

5-Benzo[1,3]dioxol-5-ylmethylene-2-benzylimino-thiazolidin-4-one;

2-Benzylimino-5-quinolin-6-ylmethylene-thiazolidin-4-one;

2-Propylimino-5-quinolin-6-ylmethylene-thiazolidin-4-one;

5-Benzo[1,3]dioxol-5-ylmethylene-2-propylimino-thiazolidin-4-one; <u>and</u> 5-(4-Dimethylamino-quinazolin-6-ylmethylene)-2-methylamino-thiazol-4-one.

Claim 15 (Currently Amended): Use according to any of claims 12 to 14 The method of claim 12, wherein said diseases are the at least one disease is selected in the from the group consisting of group including multiple sclerosis, psoriasis, rheumatoid arthritis, multiple sclerosis, systemic lupus erythematosis, inflammatory bowel disease, lung inflammation, thrombosis, or brain infection/inflammation such as meningitis, [[or]] encephalitis, and combinations thereof.

Claim 16 (Currently Amended): Use according to any of claims 12 to 14 The method of claim 12, wherein said the at least one disease is selected from the group consisting of diseases are selected in the group including Alzheimer's disease, Huntington's disease, CNS trauma, stroke, [[or]] ischemic conditions, and combinations thereof.

Claim 17 (Currently Amended): Use according to any of claims 12 to 14 The method of claim 12, wherein the at least one disease is selected from the group consisting of said diseases are selected in the group including atherosclerosis, heart hypertrophy, cardiac myocyte dysfunction, elevated blood pressure, [[or]] vasoconstriction, and combinations thereof.

Claim 18 (Currently Amended): Use according to any of claims 12 to 14 The method of claim 12, wherein the at least one disease is selected from the group consisting

of said diseases are selected in the group including chronic obstructive pulmonary disease, anaphylactic shock, fibrosis, psoriasis, allergic diseases, asthma, stroke, [[or]] ischemic conditions, ischemia-reperfusion, platelets platelet aggregation/activation, platelet activation, skeletal muscle atrophy/hypertrophy, skeletal muscle hypertrophy, leukocyte recruitment in cancer tissue, angiogenesis, invasion metastisis, in particular melanoma, Karposi's sarcoma, sepsis, graft rejection, glomerulo sclerosis, glomerulo nephritis, progressive renal fibrosis, endothelial injuries in the lung, [[and]] epithelial injuries in the lung, or in general lung airways airway inflammation, and combinations thereof.

Claim 19 (Currently Amended): <u>A method of inhibiting PI3 kinase activity</u>, comprising

inhibiting PI3 kinase activity with the imino-azolinone-vinyl fused-benzene derivative or its salt of claim 1

Use according to any of claims 12 to 18 for the modulation, in particular for the inhibition, of the PI3 kinase activity.

Claim 20 (Currently Amended): Use according to The method of claim 19, wherein said PI3 kinase is a PI3 kinase γ .

Claim 21 (Currently Amended): A pharmaceutical composition containing comprising at least one thiazolidinone-vinyl fused-benzene derivative or its salt according to claim 1 any of claims 1 to 10 and a pharmaceutically acceptable carrier, diluent, [[or]] excipient, or combination thereof.

Claim 22 (Currently Amended): A method of preparing a 2-imino-azolinone-vinyl fused-benzene derivatives derivative or its salt of Formula (I) according to claim 1 any of claims 1 to 10 comprising derivatizing the imine of Formula Ia with the group G to form the vinyl fused-benzene derivative or its salt the following step:

wherein A, R¹, R², G, X and Y are as above defined and L is a leaving group.